

Enhanced Solarization Resistant Fiber Data



Gulf Photonics™

A DIVISION OF GULF FIBEROPTICS

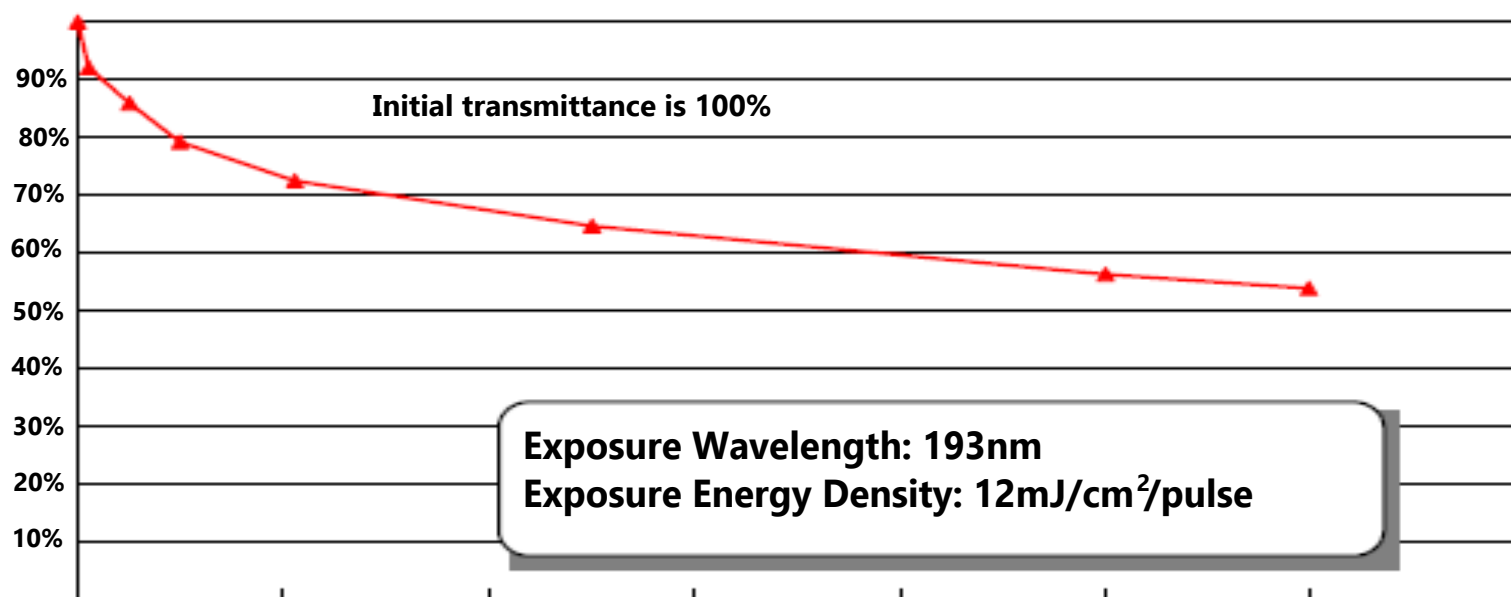
Optical Specifications	
Operating Wavelength	190nm – 800nm, 1064nm
Numerical Aperture	0.22 ± 0.02
Specification of Attenuation	< 0.6 dB/m @260nm, < 0.1 dB/m @350nm
UV Transmittance @ 215nm	> 75%/3m/115um, > 70%/3m/230um, > 65%/3m/455um
Fiber Profile	Step-Index Multimode
Core Material	High-OH Fused Silica

At Gulf Photonics, we believe that quality is the first order of business. Our Enhanced Solarization Resistant (ESR) family of fiber optic products are made in the USA, and built to withstand the rigors of constant use in nearly any operating environment.

Our ESR fiber and proprietary termination techniques create the longest lasting, best performing Deep UV assembly in the industry. After exposure under deuterium lamp at 215nm, the transmission of our Deep UV fiber decreases by only 30%, and stabilizes after 40 hours.

If you need a custom solution using our ESR fiber, we can help. Gulf's engineering team can help you design the right cable, probe or custom component for your deep UV application.

Geometrical & Mechanical Specifications			
Core Diameter	115um	230um	455um
Cladding Diameter	125um	250um	500um
Primary Buffer Diameter	230um	380um	800um
Secondary Buffer Diameter	-	-	1300um
Buffer Material	UV Acrylate	UV Acrylate	Silicone/ Polyamide
Long Term Bend Radius	25mm	50mm	100mm



Available In: Patch Cables, Reflection Probes, Bundled, Bi- and Multi-Furcated Probes, Arrays, Custom Terminations